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TECHNOLOGY CENTER 2803

## 1. NAME OF CONVEYING PARTY(IES) (ASSIGNORS(S)):

1. Hironao YAMAGUCHI

2.

3.

4.

5.

6.

7.

8.

ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? ☐ YES ☐ NO

## 2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST:

NAME: DENSO CORPORATION

ADDRESS: 1-1, Showa-cho, Kariya-city, Aichi-pref., 448-8661 JAPAN

ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? ☐ YES ☒ NO

## 3. NATURE OF CONVEYANCE (DOCUMENT):

(Submit herewith only one document for recordation—multiple copies of same Assignment signed by different inventors is one document)
☒ ASSIGNMENT OF ☒ WHOLE ☐ PART INTEREST  
☒ ORIGINAL ☐ FACSIMILE/PHOTOCOPY  
☐ CHANGE OF NAME ☐ VERIFIED TRANSLATION  
☐ SECURITY ☐ MERGER ☐ OTHER:

EXEC. DATE: June 1, 2001

EXECUTION DATE(S) ON THE DECLARATION IF FILED HEREWITH: (NOTE: IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY!) June 1, 2001

4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL SHEET(S) attached? ☐ YES ☒ NO

A. PAT. APP NO.(S) series code/serial no	M#	1 <sup>st</sup> INVENTOR if not in item 1	B. PATENT NO(S)	M#	1 <sup>st</sup> INVENTOR if not in item 1
NEW APPLICATION	281387				
5. Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed:  Pillsbury Winthrop LLP Intellectual Property Group 1100 New York Avenue, NW Ninth Floor Washington, DC 20005-3918			6. NUMBER INVOLVED: APPLNS 1 + PATS 0 = TOTAL 1		
7.5 AMOUNT OF FEE ENCLOSED: (Code 581) ABOVE TOTAL x \$40 = \$40			8. IF ABOVE FEE IS MISSING OR INADEQUATE CHARGE INSUFFICIENCY TO DEPOSIT ACCOUNT NUMBER: 03-3975 UNDER ORDER NO 30954 281387		
5.5 ATTY DKT: P 281387 30954			dup. sheet not required		
MATTER NO.		CLIENT REF.	CLIENT NO.		MATTER NO.

9.

Signature

Attorney: Paul T. Bowen

Reg. No. 38009

Atty/Sec: PTB/mjb

TEL: (202) 861-3014

Date: June 13, 2001

FAX: (202) 822-0944

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FILE WITH PTO RETURN RECEIPT (PAT-103A)

**USA Patent Appln.  
Sole or Joint**

Inventions made outside USA executed with or after application	
Atty. Dkt. PW	56600-US-AK/nh
M#	Client Ref.

## ASSIGNMENT OF NONPROVISIONAL APPLICATION

**NONPROVISIONAL**

**INSERT  
NAME(S) OF  
INVENTOR(S)**

(1) Hironao YAMAGUCHI	(2)
(3)	(4)
(5)	<input type="checkbox"/> x box if continued on page 2

**INSERT  
NAME(S) OF  
ASSIGNEE(S)  
& ADDRESS(ES)**

DENSO CORPORATION  
1-1, Showa-cho, Kariya-city, Aichi-pref., 448-8661 Japan

**TITLE OF  
INVENTION**

# TRANSFORMER DEVICE, HIGH-VOLTAGE GENERATING APPARATUS HAVING THE SAME, AND LIGHTING SYSTEM HAVING THEM

**NOTE** → →  
(Complete  
line A, B and

(A) ☒ even date herewith  
(B) ☐ on \_\_\_\_\_  
(C) ☐ in U.S. Appl. No. \_\_\_\_\_

AND the undersigned hereby agree(s) to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

**NOTE** → → The undersigned hereby authorize(s) Pillsbury Winthrop LLP of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

**INVENTORS**

1) Hironao Yamaguchi  
Name: **Hironao YAMAGUCHI**

2) \_\_\_\_\_  
Name: \_\_\_\_\_

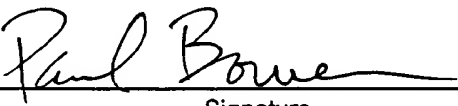
3) \_\_\_\_\_  
Name: \_\_\_\_\_

4) \_\_\_\_\_  
Name: \_\_\_\_\_

5) \_\_\_\_\_  
Name: \_\_\_\_\_

DATE SIGNED  
June 1, 2001

WITNESSES  
Yoshitake Sato

<div style="display: flex; justify-content: space-between;"> <span>RECORDATION FORM COVER SHEET</span> <span>PATENT APPLICATIONS &amp; PATENTS ONLY</span> </div>					
TO THE ASSISTANT COMMISSIONER OF PATENTS AND TRADEMARKS: SIR: PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF.					
1. NAME OF CONVEYING PARTY(IES) (ASSIGNORS(S)): <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;">             1. Keiji TAKAHASHI              3. Makoto TANIGUCHI              5.              7.           </div> <div style="width: 48%;">             2. Toshinori MARUYAMA              4.              6.              8.           </div> </div>					
ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO					
2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST: NAME: DENSO CORPORATION  ADDRESS: 1-1 Showa-cho, Kariya-city, Aichi-pref., 448-8661 JAPAN					
ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO					
3. NATURE OF CONVEYANCE (DOCUMENT): (Submit herewith <u>only one document</u> for recordation—multiple copies of same Assignment signed by different inventors is one document)					
<div style="display: flex; justify-content: space-between;"> <div style="width: 55%;"> <input checked="" type="checkbox"/> ASSIGNMENT OF  <input type="checkbox"/> ORIGINAL  <input type="checkbox"/> CHANGE OF NAME  <input type="checkbox"/> SECURITY <input type="checkbox"/> MERGER           </div> <div style="width: 35%;"> <input checked="" type="checkbox"/> WHOLE <input type="checkbox"/> PART INTEREST  <input type="checkbox"/> FACSIMILE/PHOTOCOPY  <input type="checkbox"/> VERIFIED TRANSLATION  <input type="checkbox"/> OTHER:           </div> <div style="width: 10%; border: 1px solid black; padding: 5px;">             EXEC. DATE: May 31, 2001           </div> </div>					
EXECUTION DATE(S) ON THE DECLARATION IF FILED HEREWITH: (NOTE: IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY!) May 31, 2001					
4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL SHEET(S) attached? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO					
A. PAT. APP. NO.(S) <small>series code/serial no</small>		B. PATENT NO(S) <small>M#</small>		1 <sup>st</sup> INVENTOR <small>if not in item 1</small>	
NEW APPLICATION 281174		281174		281174	
5. Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed:  Pillsbury Winthrop LLP Intellectual Property Group 1600 Tysons Boulevard McLean, VA 22102			6. NUMBER INVOLVED: APPLNS <u>1</u> + PATS <u>0</u> = TOTAL <u>1</u>		
5.5 ATTY DKT:  P 281174			7. AMOUNT OF FEE ENCLOSED: (Code 581) ABOVE TOTAL x \$40 = \$40		
5.5 ATTY DKT:  P 281174			8. IF ABOVE FEE IS MISSING OR INADEQUATE CHARGE INSUFFICIENCY TO DEPOSIT ACCOUNT NUMBER: 03-3975 UNDER ORDER NO <u>30954</u> <u>281174</u>		
MATTER NO.		CLIENT REF.		dup. sheet not required	
MATTER NO.		CLIENT NO.		MATTER NO.	
9.					
 Signature				10. Total number of pages including this cover sheet, attachments and document (do not file dup. Cover sheet)	
Attorney: Paul T. Bowen Reg. No. 38009 Atty/Sec: PTB/mjb				Date: June 21, 2001 FAX: (703) 905-2500	
TEL: (703) 905-2020					

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USA Patent Appl.  
Sole or Joint

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Atty. Dkt. PW

M#

56656-US

Client Ref.

**COPY**

NONPROVISIONAL

**ASSIGNMENT  
OF NONPROVISIONAL APPLICATION**

NONPROVISIONAL

In consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration paid to each of the undersigned, to wit:

INSERT  
NAME(S) OF  
INVENTOR(S)

(1)	Keiji TAKAHASHI	(2)	Toshinori MARUYAMA
(3)	Makoto TANIGUCHI	(4)	
(5)		<input type="checkbox"/> x box if continued on page 2	

the receipt and sufficiency of which are hereby acknowledged by the undersigned who at the request of, hereby sell(s), assign(s) and transfer(s) unto:

INSERT  
NAME(S) OF  
ASSIGNEE(S)  
& ADDRESS(ES)

DENSO CORPORATION
1-1 Showa-cho, Kariya-city
Aichi-pref., 448-8661 Japan

(hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100, in the invention and all applications including any and all divisions, continuations, substitutes, and reissues thereof; and all resulting patents, known as

TITLE OF  
INVENTION

**VOLTAGE REGULATOR OF VEHICLE AC GENERATOR**

for which the undersigned executed an application for Letters Patents of the United States of America:

NOTE → →  
(Complete

line A, B and/or C)

(A) ☒ even date herewith

(B) ☐ on

(C) ☐ in U.S. Appl. No. / filed

AND the undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree(s) that the attorney of record in said application shall hereinafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree(s) to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

NOTE → → The undersigned hereby authorize(s) Pillsbury Winthrop LLP of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

**INVENTORS**

**DATE SIGNED**

**WITNESSES**

1):

Keiji TAKAHASHI

May/31/2001

Hiroshi Ishida

Name:

Keiji TAKAHASHI

2)

Toshinori Maruyama

May/31/2001

Hiroshi Ishida

Name:

Toshinori MARUYAMA

3)

Makoto Taniguchi

May/31/2001

Hiroshi Ishida

Name:

Makoto TANIGUCHI

FEB 15 2002

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SIR: PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF.

## 1. NAME OF CONVEYING PARTY(IES) (ASSIGNORS(S)):

1. Nakato MURATA  
3. Tsutomu SHIGA

2. Yoshiki TAN

4.

6.

8.

ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? ☐ YES ☒ NO

## 2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST:

NAME: DENSO CORPORATION

ADDRESS: 1-1, Showa-cho, Kariya-city, Aichi-pref., 448-8661 JAPAN

ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? ☐ YES ☒ NO

## 3. NATURE OF CONVEYANCE (DOCUMENT):

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☒ ASSIGNMENT OF ☒ WHOLE ☐ PART INTEREST  
☒ ORIGINAL ☐ FACSIMILE/PHOTOCOPY  
☐ CHANGE OF NAME ☐ VERIFIED TRANSLATION  
☐ SECURITY ☐ MERGER ☐ OTHER:
EXEC. DATE: (1 & 2) July 12, 2001 and  
(3) July 13, 2001

EXECUTION DATE(S) ON THE DECLARATION IF FILED HERewith: (NOTE: IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY!) (1 &amp; 2) July 12, 2001 and (3) July 13, 2001

4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL SHEET(S) attached? ☐ YES ☒ NO

A. PAT. APP. NO.(S) series code/serial no	M#	1 <sup>st</sup> INVENTOR if not in item 1	B. PATENT NO(S)	M#	1 <sup>st</sup> INVENTOR if not in item 1
NEW APPLICATION	0282704				
5. Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed:  Pillsbury Winthrop LLP Intellectual Property Group 1600 Tysons Boulevard  McLean, VA 22102			6. NUMBER INVOLVED: APPLNS <u>1</u> + PATS <u>0</u> = TOTAL <u>1</u>		
7. AMOUNT OF FEE ENCLOSED: (Code 581) ABOVE TOTAL x \$40 = \$40			8. IF ABOVE FEE IS MISSING OR INADEQUATE CHARGE INSUFFICIENCY TO DEPOSIT ACCOUNT NUMBER: 03-3975		
5.5 ATTY DKT:  P 0282704		57062-US-SuS/mk		UNDER ORDER NO <u>030954</u> <u>0282704</u>	
MATTER NO.		CLIENT REF.		dup. sheet not required CLIENT NO. MATTER NO.	

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Signature

Attorney: Paul T. Bowen

Reg. No. 38009

Date: July 26, 2001

Atty/Sec: PTB/tel

TEL: (703) 905-2020

FAX: (703) 905-2500

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M#

Client Ref.

NONPROVISIONAL

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OF NONPROVISIONAL APPLICATION

NONPROVISIONAL

In consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration paid to each of the undersigned, to wit:

INSERT  
NAME(S) OF  
INVENTOR(S)

(1) Nakato Murata

(2) Yoshiki Tan

(3) Tsutomu Shiga

(4)

(5)

☐ x box if continued on page 2

the receipt and sufficiency of which are hereby acknowledged by the undersigned who at the request of, hereby sell(s), assign(s) and transfer(s) unto:

INSERT  
NAME(S) OF  
ASSIGNEE(S)  
& ADDRESS(ES)

DENSO CORPORATION

1-1, SHOWA-CHO, KARIYA-CITY, AICHI-PREF., 448-8661 JAPAN

(hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100, in the invention and all applications including any and all divisions, continuations, substitutes, and reissues thereof; and all resulting patents, known as

TITLE OF  
INVENTION

BRUSH-LESS ROTARY ELECTRIC MACHINE HAVING STATOR COOLING ARRANGEMENT

for which the undersigned executed an application for Letters Patents of the United States of America:

NOTE → →

(Complete

line A, B and/or C)

(A) ☒ even date herewith

(B) ☐ on

(C) ☐ in U.S. Appln. No.

/

filed

AND the undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree(s) that the attorney of record in said application shall hereinafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree(s) to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

NOTE → → The undersigned hereby authorize(s) Pillsbury Winthrop LLP of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

INVENTORS

1):  
Name: Nakato Murata  
2)  
Name: Yoshiki Tan  
3)  
Name: Tsutomu Shiga  
4)  
Name:  
5)  
Name:

DATE SIGNED

July 12, 2001  
July 12, 2001  
July 13, 2001

WITNESSES

Hiroshi Akhida  
Hiroshi Akhida  
Hiroshi Akhida

RECORDATION FORM COVER SHEET  
 PATENT APPLICATIONS & PATENTS ONLY

 TO THE ASSISTANT COMMISSIONER OF PATENTS AND TRADEMARKS:  
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## 1. NAME OF CONVEYING PARTY(IES) (ASSIGNORS(S)):

 1. Masami NIIMI  
 3. Masahiro KATOH  
 5.  
 7.

 2. Hideki ICHIKAWA  
 4.  
 6.  
 8.
ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? ☐ YES ☒ NO

## 2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST:

NAME: DENSO CORPORATION

ADDRESS: 1-1, Showa-cho, Kariya-city, Aichi-pref., 448-8661 JAPAN

ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? ☐ YES ☒ NO

## 3. NATURE OF CONVEYANCE (DOCUMENT):

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☒ ORIGINAL ☐ FACSIMILE/PHOTOCOPY  
☐ CHANGE OF NAME ☐ VERIFIED TRANSLATION  
☐ SECURITY ☐ MERGER ☐ OTHER:


 EXEC. DATE: (1) June 5, 2001  
 (2) June 11, 2001  
 (3) June 6, 2001

EXECUTION DATE(S) ON THE DECLARATION IF FILED HERewith: (NOTE: IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY!) (1) June 5, 2001; (2) June 11, 2001; (3) June 6, 2001

4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL SHEET(S) attached? ☐ YES ☒ NO

A. PAT. APP. NO.(S) series code/serial no	M#	1 <sup>st</sup> INVENTOR If not in Item 1	B. PATENT NO.(S)	M#	1 <sup>st</sup> INVENTOR If not in Item 1
NEW APPLICATION	0281512				
5. Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed:  Pillsbury Winthrop LLP Intellectual Property Group 1600 Tysons Boulevard McLean, VA 22102			6. NUMBER INVOLVED: APPLNS <u>1</u> + PATS <u>0</u> = TOTAL <u>1</u>		
5.5 ATTY DKT:  P 0281512			7. AMOUNT OF FEE ENCLOSED: (Code 581) ABOVE TOTAL x \$40 = \$40		
MATTER NO.			8. IF ABOVE FEE IS MISSING OR INADEQUATE CHARGE INSUFFICIENCY TO DEPOSIT ACCOUNT NUMBER: 03-3975 UNDER ORDER NO 030954 0281512 dup. sheet not required CLIENT NO. MATTER NO.		

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Signature

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Attorney: Paul T. Bowen

Reg. No. 38009

Atty/Sec: PTB/tel

TEL: (703) 905-2020

Date: August 1, 2001

FAX: (703) 905-2500

FILE WITH PTO RETURN RECEIPT (PAT-103A)

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Intellectual Property Group  
1100 New York Avenue, NW  
Ninth Floor  
Washington, DC 20005-3918

USA Patent Appl.  
Sole or Joint

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executed with or after application

Atty. Dkt. PW

57168-US-  
MRB/nh

M#

Client Ref.

NONPROVISIONAL

ASSIGNMENT  
OF NONPROVISIONAL APPLICATION

NONPROVISIONAL

In consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration paid to each of the undersigned, to wit:

INSERT  
NAME(S) OF  
INVENTOR(S)

(1) Masami NIIMI

(3) Masahiro KATOH

(5)

(2) Hideki ICHIKAWA

(4)

☐ x box if continued on page 2

the receipt and sufficiency of which are hereby acknowledged by the undersigned who at the request of, hereby sell(s), assign(s) and transfer(s) unto:

INSERT  
NAME(S) OF  
ASSIGNEE(S)  
& ADDRESS(ES)

DENSO CORPORATION

1-1, Showa-cho, Kariya-city, Aichi-pref., 448-8661 Japan

(hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100, in the invention and all applications including any and all divisions, continuations, substitutes, and reissues thereof; and all resulting patents, known as

TITLE OF  
INVENTION

METHOD OF FABRICATING BRUSHES

for which the undersigned executed an application for Letters Patents of the United States of America:

NOTE → →  
(Complete

line A, B and/or C)

(A) ☒ even date herewith

(B) ☐ on

(C) ☐ in U.S. Appl. No. 1 filed

AND the undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree(s) that the attorney of record in said application shall hereinafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree(s) to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

NOTE → → The undersigned hereby authorize(s) Pillsbury Winthrop LLP of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

INVENTORS

1): Masami Niimi  
Name: Masami NIIMI  
2) Hideki Ichikawa  
Name: Hideki ICHIKAWA  
3) Masahiro Katoh  
Name: Masahiro KATOH  
4) \_\_\_\_\_  
Name: \_\_\_\_\_  
5) \_\_\_\_\_  
Name: \_\_\_\_\_

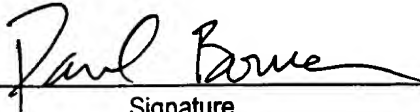
DATE SIGNED

June 5, 2001  
June 11, 2001  
June 6, 2001  
\_\_\_\_\_  
\_\_\_\_\_

WITNESSES

Shinji Usami  
Kenji Ogishima  
Shinji Usami  
\_\_\_\_\_  
\_\_\_\_\_



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1. NAME OF CONVEYING PARTY(IES) (ASSIGNORS(S)): 1. Tadatoshi ASADA 2. _____ 3. _____ 4. _____ 5. _____ 6. _____ 7. _____ 8. _____ ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO																			
2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST: NAME: DENSO CORPORATION  ADDRESS: 1-1, Showa-cho, Kariya-city, Aichi-pref., 448-8661, Japan  ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO																			
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EXECUTION DATE(S) ON THE DECLARATION IF FILED HERewith: (NOTE: IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY!) July 2, 2001																			
4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL SHEET(S) attached? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO																			
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">A. PAT. APP. NO.(S) series code/serial no</th> <th style="width: 10%;">M#</th> <th style="width: 20%;">1<sup>st</sup> INVENTOR if not in item 1</th> <th style="width: 20%;">B. PATENT NO(S)</th> <th style="width: 10%;">M#</th> <th style="width: 20%;">1<sup>st</sup> INVENTOR if not in item 1</th> </tr> </thead> <tbody> <tr> <td>NEW APPLICATION</td> <td>0282680</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	A. PAT. APP. NO.(S) series code/serial no	M#	1 <sup>st</sup> INVENTOR if not in item 1	B. PATENT NO(S)	M#	1 <sup>st</sup> INVENTOR if not in item 1	NEW APPLICATION	0282680					5. Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed:  <b>Pillsbury Winthrop LLP</b> <b>Intellectual Property Group</b> 1600 Tysons Boulevard McLean, VA 22102  5.5 ATTY DKT: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">P 0282680</td> <td style="width: 40%;">57174-US-SuS/nh</td> <td style="width: 30%;">1</td> </tr> <tr> <td>MATTER NO.</td> <td>CLIENT REF.</td> <td></td> </tr> </table>	P 0282680	57174-US-SuS/nh	1	MATTER NO.	CLIENT REF.	
A. PAT. APP. NO.(S) series code/serial no	M#	1 <sup>st</sup> INVENTOR if not in item 1	B. PATENT NO(S)	M#	1 <sup>st</sup> INVENTOR if not in item 1														
NEW APPLICATION	0282680																		
P 0282680	57174-US-SuS/nh	1																	
MATTER NO.	CLIENT REF.																		
6. NUMBER INVOLVED: APPLNS <u>1</u> + PATS <u>0</u> = TOTAL <u>1</u>  7. AMOUNT OF FEE ENCLOSED: (Code 581) ABOVE TOTAL x \$40 = \$40  8. IF ABOVE FEE IS MISSING OR INADEQUATE CHARGE INSUFFICIENCY TO DEPOSIT ACCOUNT NUMBER: 03-3975 <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">UNDER ORDER NO</td> <td style="width: 33%;">030954</td> <td style="width: 33%;">0282680</td> </tr> <tr> <td>dup. sheet not required</td> <td>CLIENT NO.</td> <td>MATTER NO.</td> </tr> </table>		UNDER ORDER NO	030954	0282680	dup. sheet not required	CLIENT NO.	MATTER NO.												
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dup. sheet not required	CLIENT NO.	MATTER NO.																	
9.  Signature Attorney: <u>Paul T. Bowen</u> Reg. No. <u>38009</u> Atty/Sec: <u>PTB/tel</u> Date: <u>August 7, 2001</u> TEL: (703) 905-2020 FAX: (703) 905-2500																			
10. Total number of pages including this cover sheet, attachments and document (do not file dup. Cover sheet) <u>2</u>																			

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1100 New York Avenue, NW  
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USA Patent Appln.  
Sole or Joint

For Inventions made outside USA  
executed with or after application

Atty. Dkt. PW

57174-US-  
SuS/nh

M#

Client Ref.

NONPROVISIONAL

ASSIGNMENT  
OF NONPROVISIONAL APPLICATION

NONPROVISIONAL

In consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration paid to each of the undersigned, to wit:

INSERT  
NAME(S) OF  
INVENTOR(S)

(1) Tadatoshi ASADA	(2)
(3)	(4)
(5)	<input type="checkbox"/> x box if continued on page 2

the receipt and sufficiency of which are hereby acknowledged by the undersigned who at the request of, hereby sell(s), assign(s) and transfer(s) unto:

INSERT  
NAME(S) OF  
ASSIGNEE(S)  
& ADDRESS(ES)

DENSO CORPORATION  
1-1, Showa-cho, Kariya-city, Aichi-pref., 448-8661 Japan

(hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100, in the invention and all applications including any and all divisions, continuations, substitutes, and reissues thereof; and all resulting patents, known as

TITLE OF  
INVENTION

VOLTAGE REGULATOR OF VEHICLE AC GENERATOR

for which the undersigned executed an application for Letters Patents of the United States of America:

NOTE → →  
(Complete  
line A, B and/or C)

(A) ☒ even date herewith  
(B) ☐ on \_\_\_\_\_  
(C) ☐ in U.S. Appln. No. \_\_\_\_\_ / \_\_\_\_\_ filed \_\_\_\_\_

AND the undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree(s) that the attorney of record in said application shall hereinafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree(s) to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

NOTE → → The undersigned hereby authorize(s) Pillsbury Winthrop LLP of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

INVENTORS

1): Tadatoshi Asada  
Name: Tadatoshi ASADA

DATE SIGNED

July 2, 2001

WITNESSES

Hiroschi Ishida

2)  
Name: \_\_\_\_\_  
3)  
Name: \_\_\_\_\_  
4)  
Name: \_\_\_\_\_  
5)  
Name: \_\_\_\_\_

FEB 15 2002

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SIR: PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF.

FEB 20 2002

## 1. NAME OF CONVEYING PARTY(IES) (ASSIGNORS(S)):

1. Naoto IWATA  
3. Masahiko NATUME  
5. Nobuhiko NAGAI  
7. Kunihiro KODAMA

2. Masayoshi FUJITA  
4. Yoshiaki MIZUNO  
6. Mitsutoshi MIYAZAKI  
8. Toshiji KONDOU

TECHNOLOGY CENTER 2803

ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? ☐ YES ☒ NO

## 2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST:

NAME: Denso Corporation

ADDRESS: 1-1, Showa-cho, Kariya-city, Aichi-pref. 448-0029 JAPAN

ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? ☐ YES ☒ NO

## 3. NATURE OF CONVEYANCE (DOCUMENT):

(Submit herewith only one document for recordation—multiple copies of same Assignment signed by different inventors is one document)

☒ ASSIGNMENT OF ☒ WHOLE ☐ PART INTEREST  
☐ ORIGINAL ☒ FACSIMILE/PHOTOCOPY  
☐ CHANGE OF NAME ☐ VERIFIED TRANSLATION  
☐ SECURITY ☐ MERGER ☐ OTHER:

EXEC. DATE: 27 and 28 May 1998

EXECUTION DATE(S) ON THE DECLARATION IF FILED HERewith: (NOTE: IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY!)

4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL SHEET(S) attached? ☐ YES ☒ NO

A. PAT. APP. NO.(S) series code/serial no	M#	1 <sup>st</sup> INVENTOR if not in item 1	B. PATENT NO(S)	M#	1 <sup>st</sup> INVENTOR if not in item 1
Div. of 09/092,646	281099				

5. Name & Address of Party to Whom Correspondence  
Concerning Document Should be Mailed:

Pillsbury Winthrop LLP  
Intellectual Property Group  
1600 Tysons Boulevard

McLean, VA 22102

5.5 ATTY DKT:

P 281099

U3-9812-YK-B

MATTER NO.

CLIENT REF.

6. NUMBER INVOLVED:

APPLNS 1 + PATS 0 = TOTAL

1

7. AMOUNT OF FEE ENCLOSED: (Code 581)

ABOVE TOTAL x \$40 = \$40

8. IF ABOVE FEE IS MISSING OR INADEQUATE CHARGE  
INSUFFICIENCY TO DEPOSIT ACCOUNT NUMBER: 03-3975

UNDER ORDER NO

60388

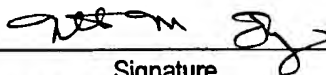
281099

dup. sheet not required

CLIENT NO.

MATTER NO.

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Signature

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(do not file dup. Cover sheet)

3

Attorney: Kenneth M. Fagin

Reg. No. 37,615

Date: July 13, 2001

Atty/Sec: KMF/ml

TEL: (703) 905-2066

FAX: (703) 905-2500

FILE WITH PTO RETURN RECEIPT (PAT-103A)

NONPROVISIONAL

ASSIGNMENT  
OF NONPROVISIONAL APPLICATION

NONPROVISIONAL

In consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration paid to each of the undersigned, to wit:

INSERT  
NAME(S) OF  
INVENTOR(S)

(1)	Naoto IWATA	(4)	Yoshiaki MIZUNO
(2)	Masayoshi FUJITA	(5)	Nobuhiko NAGAI
(3)	Masahiko NATUME	<input checked="" type="checkbox"/> x box if continued on page 2	

the receipt and sufficiency of which are hereby acknowledged by the undersigned who at the request of, hereby sell(s), assign(s) and transfer(s) unto:

INSERT  
NAME(S) OF  
ASSIGNEE(S)  
& ADDRESS(ES)

DENSO CORPORATION

of 1-1, Showa-cho, Kariya-city, Aichi-pref. 448-0029 Japan

(hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100, in the invention and all applications including any and all divisions, continuations, substitutes, and reissues thereof; and all resulting patents, known as

TITLE OF  
INVENTION

IMPROVED METHOD FOR MACHINING SLOTS IN MOLDING DIE

for which the undersigned executed an application for Letters Patent of the United States of America:

NOTE -->  
(Complete  
line A, B and/or C)

(A) ☒ even date herewith

(B) ☒ on May 27 and 28, 1998

(C) ☐ in U.S. Appln. No. / filed

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NOTE --> The undersigned hereby authorize(s) Cushman Darby & Cushman Intellectual Property Group of Pillsbury Madison & Sutro, of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

	INVENTOR(S)	DATE SIGNED	WITNESSES
1)	<u>Naoto Iwata</u>	<u>27-May-98</u>	<u>Junichi Iio</u>
Name:	Naoto Iwata		
2)	<u>Masayoshi Fujita</u>	<u>28-May-98</u>	<u>Keiji Sakai</u>
Name:	Masayoshi Fujita		
3)	<u>Masahiko Natume</u>	<u>28-May-98</u>	<u>Keiji Sakai</u>
Name:	Masahiko Natume		
4)	<u>Yoshiaki Mizuno</u>	<u>28-May-98</u>	<u>Junichi Iio</u>
Name:	Yoshiaki Mizuno		
5)	<u>Nobuhiko Nagai</u>	<u>27-May-98</u>	<u>Yoshitaka Kuroda</u>
Name:	Nobuhiko Nagai		

IF ADDITIONAL INVENTORS, check box ☒ and continue on page 2.

# **ASSIGNMENT** (Continued from page 1)

## LISTING OF ADDITIONAL INVENTORS

INSERT  
NAME(S) OF  
INVENTOR(S)

(6)	Mitsutoshi MIYAZAKI	(11)
(7)	Kunihiro KODAMA	(12)
(8)	Toshiji KONDOU	(13)
(9)		(14)
(10)		(15)

## SIGNATURES OF ADDITIONAL INVENTORS/WITNESSES/DATES SIGNED

	<u>INVENTOR(S)</u>	<u>DATE SIGNED</u>	<u>WITNESSES</u>
6)	<u>Mitsutoshi Miyazaki</u>	<u>27-May-98</u>	<u>Hisashi Kayano</u>
Name:	Mitsutoshi Miyazaki		
7)	<u>Kunihiro Kodama</u>	<u>27-May-98</u>	<u>Hisashi Kayano</u>
Name:	Kunihiro Kodama		
8)	<u>Toshiji Kondou</u>	<u>28-May-98</u>	<u>Keiji Sakai</u>
Name:	Toshiji Kondou		
9)	_____	_____	_____
Name:			
10)	_____	_____	_____
Name:			
11)	_____	_____	_____
Name:			
12)	_____	_____	_____
Name:			
13)	_____	_____	_____
Name:			
14)	_____	_____	_____
Name:			
15)	_____	_____	_____
Name:			

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## 1. NAME OF CONVEYING PARTY(IES) (ASSIGNORS(S)):

1. Shigenobu NAKAMURA

3.

5.

7.

2.

4.

6.

8.

ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? ☐ YES ☒ NO

## 2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST:

NAME: DENSO CORPORATION

ADDRESS: 1-1, Showa-cho, Kariya-city, Aichi-pref., 448-8661 JAPAN

ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? ☐ YES ☒ NO

## 3. NATURE OF CONVEYANCE (DOCUMENT):

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EXEC. DATE: August 30, 2001

EXECUTION DATE(S) ON THE DECLARATION IF FILED HERewith: (NOTE: IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY!) August 30, 2001

4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL SHEET(S) attached? ☐ YES ☒ NO

A. PAT. APP. NO.(S) series code/serial no	M#	1* INVENTOR if not in item 1	B. PATENT NO(S)	M#	1* INVENTOR if not in item 1
09/873,410	281269				

5. Name & Address of Party to Whom Correspondence  
Concerning Document Should be Mailed:

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Intellectual Property Group  
1600 Tysons BoulevardMcLean, VA 22102  
Tel: (703) 905-2000

6. NUMBER INVOLVED:

APPLNS 1 + PATS 0 = TOTAL = 1

7. AMOUNT OF FEE ENCLOSED: (Code 581)

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5.5 ATTY DKT:

P 281269

56021/US-SuS-nh

8. IF ABOVE FEE IS MISSING OR INADEQUATE CHARGE  
INSUFFICIENCY TO DEPOSIT ACCOUNT NUMBER: 03-3975

UNDER ORDER NO

30954

281269

MATTER NO.

CLIENT REF.

dup. sheet not required

CLIENT NO.

MATTER NO.

9. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.



Signature

10. Total number of pages including this  
cover sheet, attachments and document  
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Attorney: Paul T. Bowen

Reg. No. 38009

Atty/Sec: PTB/vaw

TEL: (703) 905-2020

Date: October 1, 2001

FAX: (703) 905-2500

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56021-US-  
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Client Ref.

NONPROVISIONAL

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OF NONPROVISIONAL APPLICATION

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In consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration paid to each of the undersigned, to wit:

INSERT  
NAME(S) OF  
INVENTOR(S)

(1) Shigenobu NAKAMURA	(2)
(3)	(4)
(5)	<input type="checkbox"/> x box if continued on page 2

the receipt and sufficiency of which are hereby acknowledged by the undersigned who at the request of, hereby sell(s), assign(s) and transfer(s) unto:

INSERT  
NAME(S) OF  
ASSIGNEE(S)  
& ADDRESS(ES)

DENSO CORPORATION  
1-1, Showa-cho, Kariya-city, Aichi-pref., 448-8661 Japan

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TITLE OF  
INVENTION

BRUSHLESS AC GENERATOR

for which the undersigned executed an application for Letters Patents of the United States of America:

NOTE → →  
(Complete

line A, B and/or C)

(A) ☐ even date herewith

(B) ☒ on June 5, 2001

(C) ☐ in U.S. Appln. No. 1 filed

AND the undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree(s) that the attorney of record in said application shall hereinafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree(s) to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

NOTE → → The undersigned hereby authorize(s) Pillsbury Winthrop LLP of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

INVENTORS

DATE SIGNED

WITNESSES

1): Shigenobu Nakamura  
Name: Shigenobu NAKAMURA

August 30, 2001

Hiroshi Ishida

2): \_\_\_\_\_

Name: \_\_\_\_\_

3): \_\_\_\_\_

Name: \_\_\_\_\_

4): \_\_\_\_\_

Name: \_\_\_\_\_

5): \_\_\_\_\_

Name: \_\_\_\_\_